

FIG. 1

Magnitude

Gunked

Good

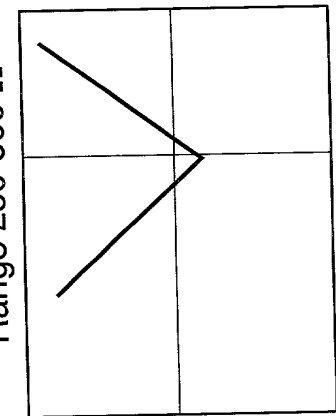
Cracked

Range 250-500 Ω

Range 40-100 Ω

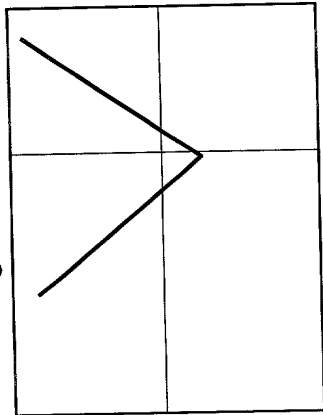
Impedance

5mA-25mA
Low Drive
Signal
Applied
To
Hand Piece
/Blade



(A) Resonance Frequency Hz

Range 100-750 Ω

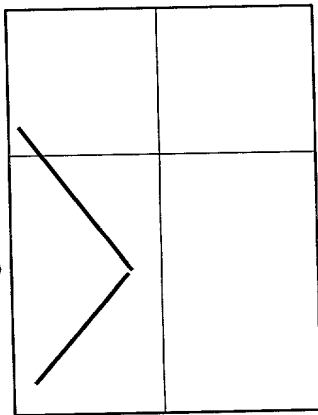


(B) Resonance Frequency Hz

Range 700-800 Ω

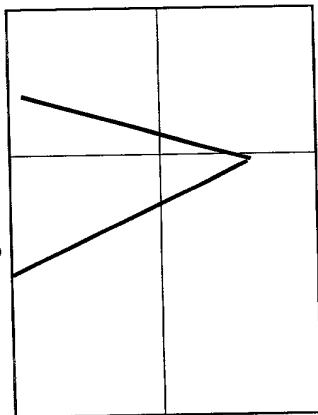
Impedance

25mA-500mA
High Drive
Signal
Applied
To
Hand Piece
/Blade



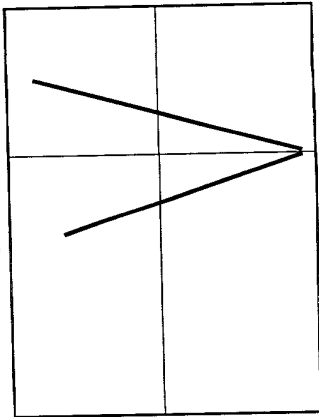
(D) Resonance Frequency Hz

Range 30-45 Ω



(E) Resonance Frequency Hz

Range 25-40 Ω



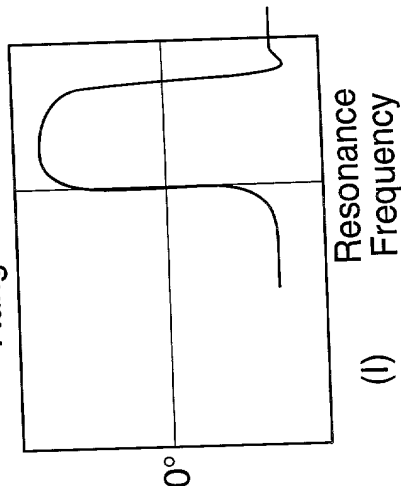
(F) Resonance Frequency Hz

FIG. 2

Phase

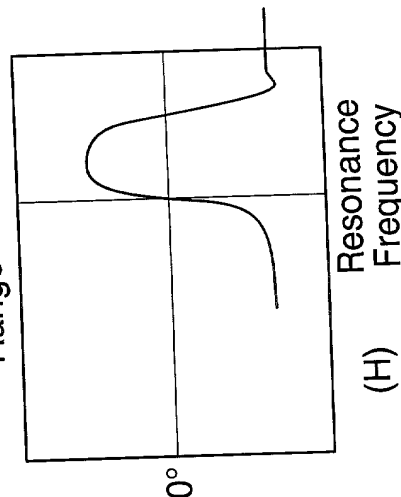
Good

Range 80-90°



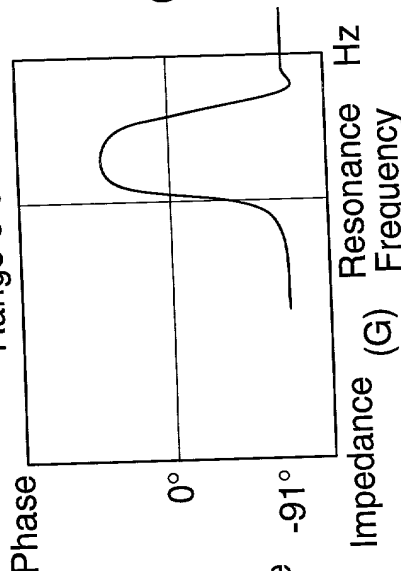
Gunked

Range -45-60°



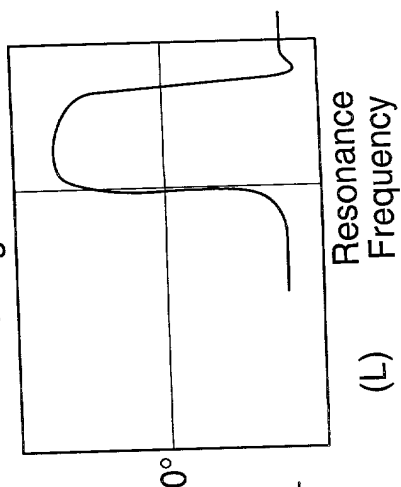
Cracked

Range 0-60°

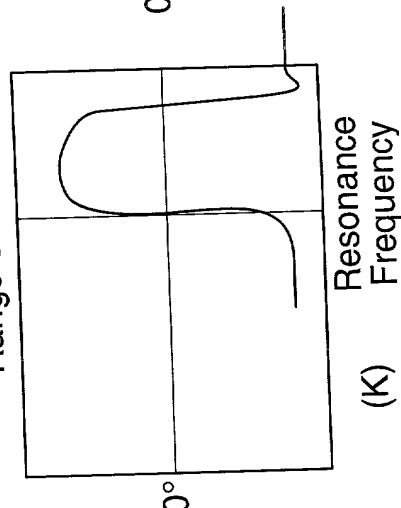


5mA-25mA
Low Drive
Signal
Applied
To
Hand Piece
/Blade

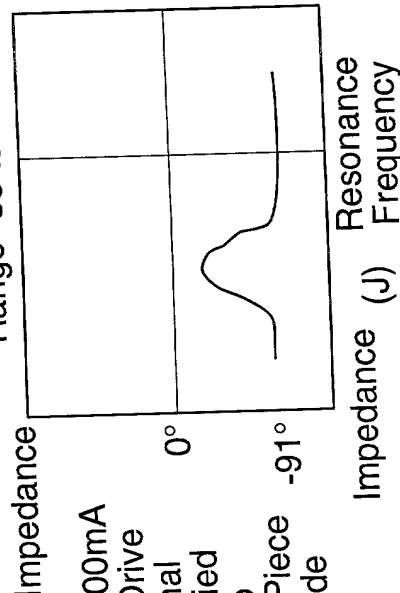
Range 90°



Range 60-90°



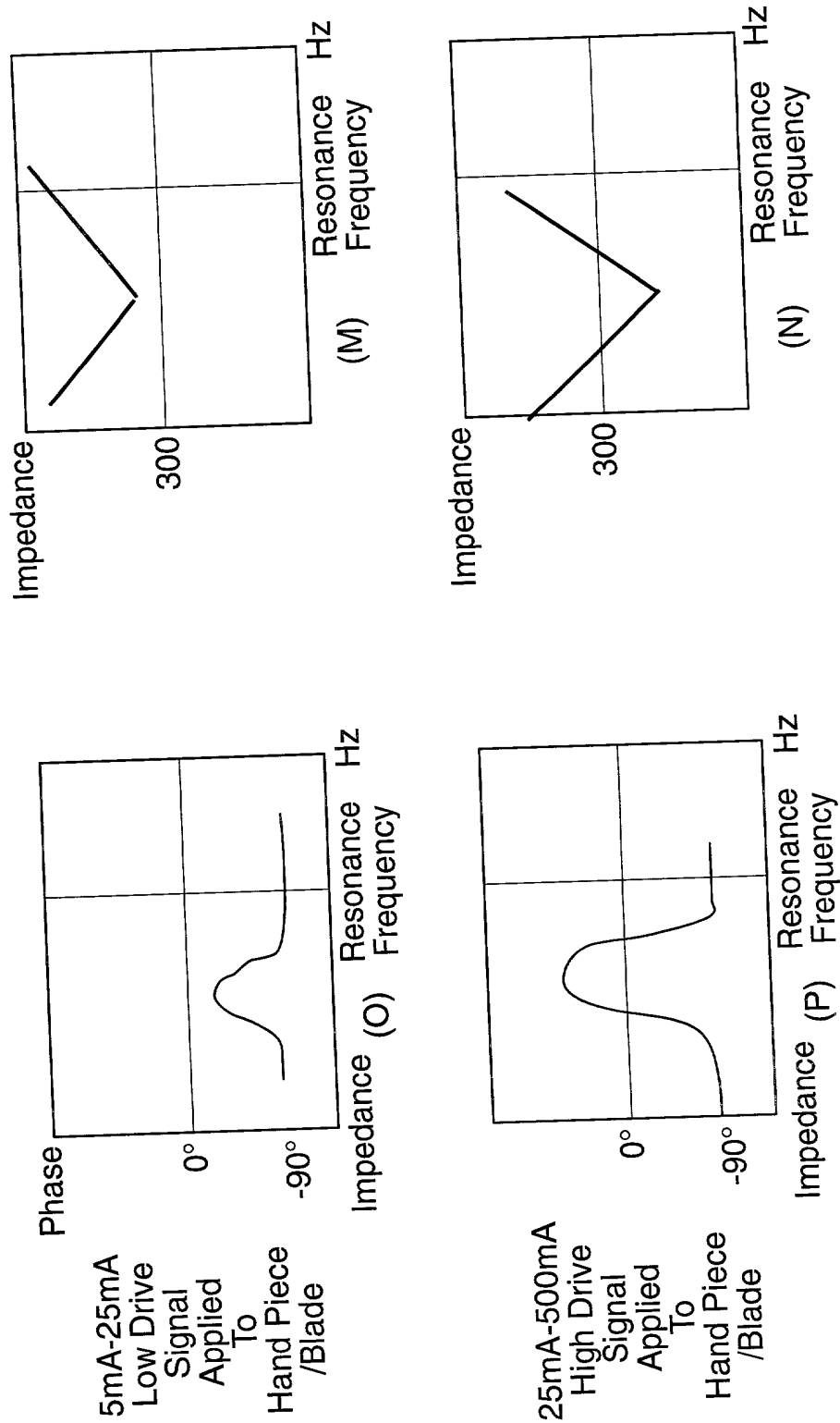
Range -85 to -45°



25mA-500mA
High Drive
Signal
Applied
To
Hand Piece
/Blade

FIG. 3

Highly Cracked or
Completely
Broken Off Blade



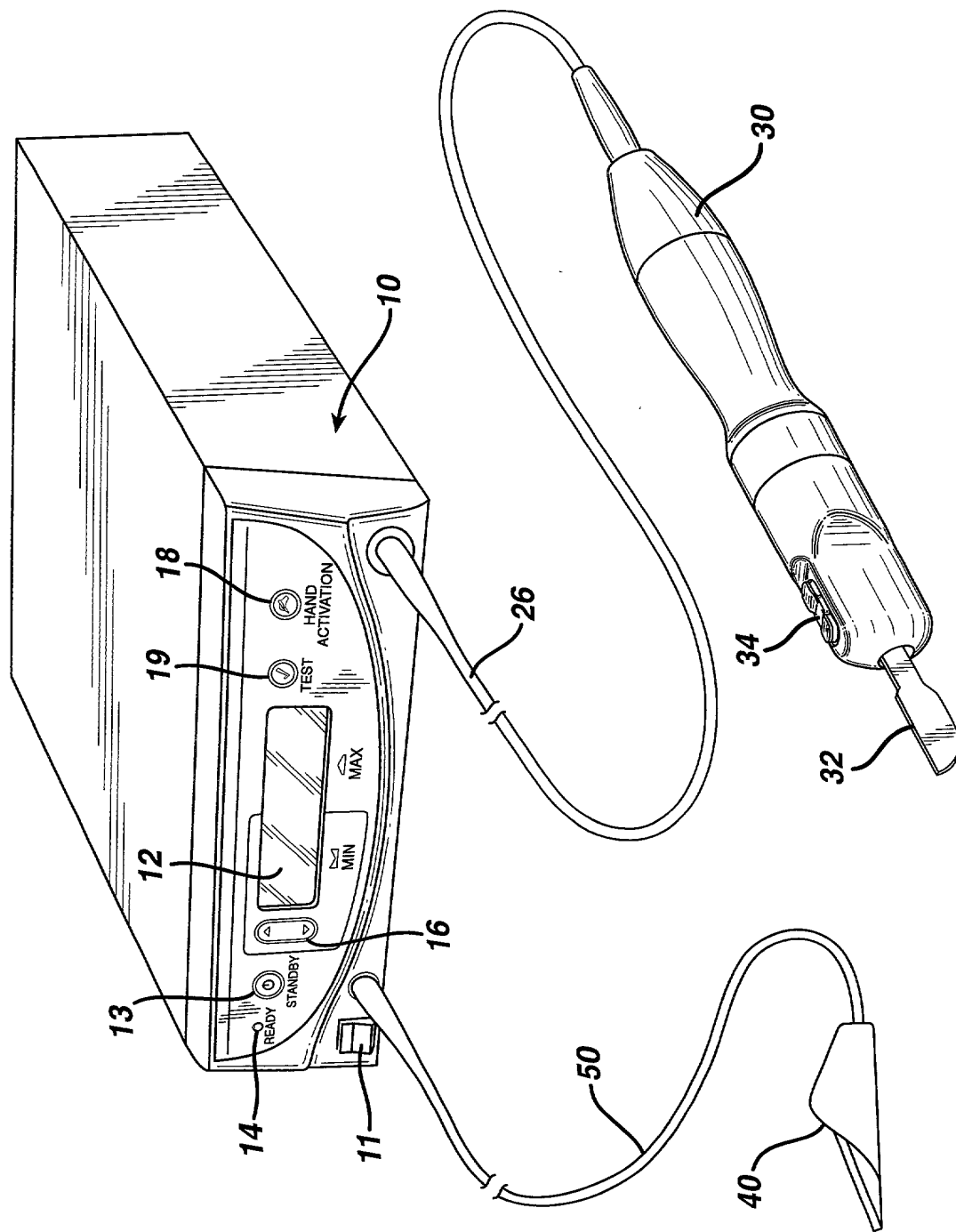


FIG. 4

FIG. 5

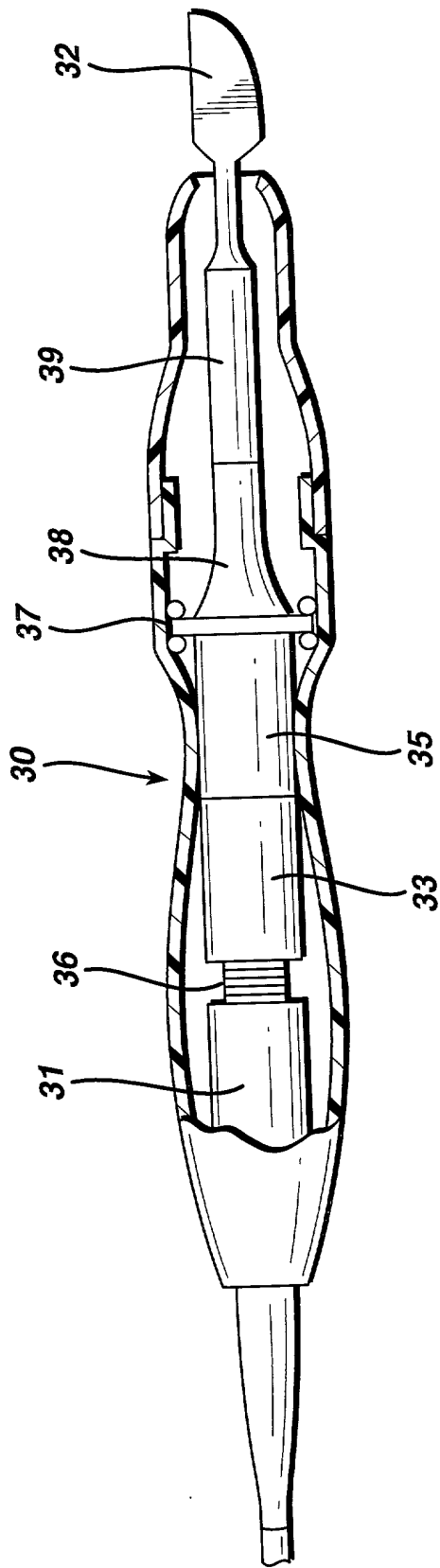


FIG. 6a

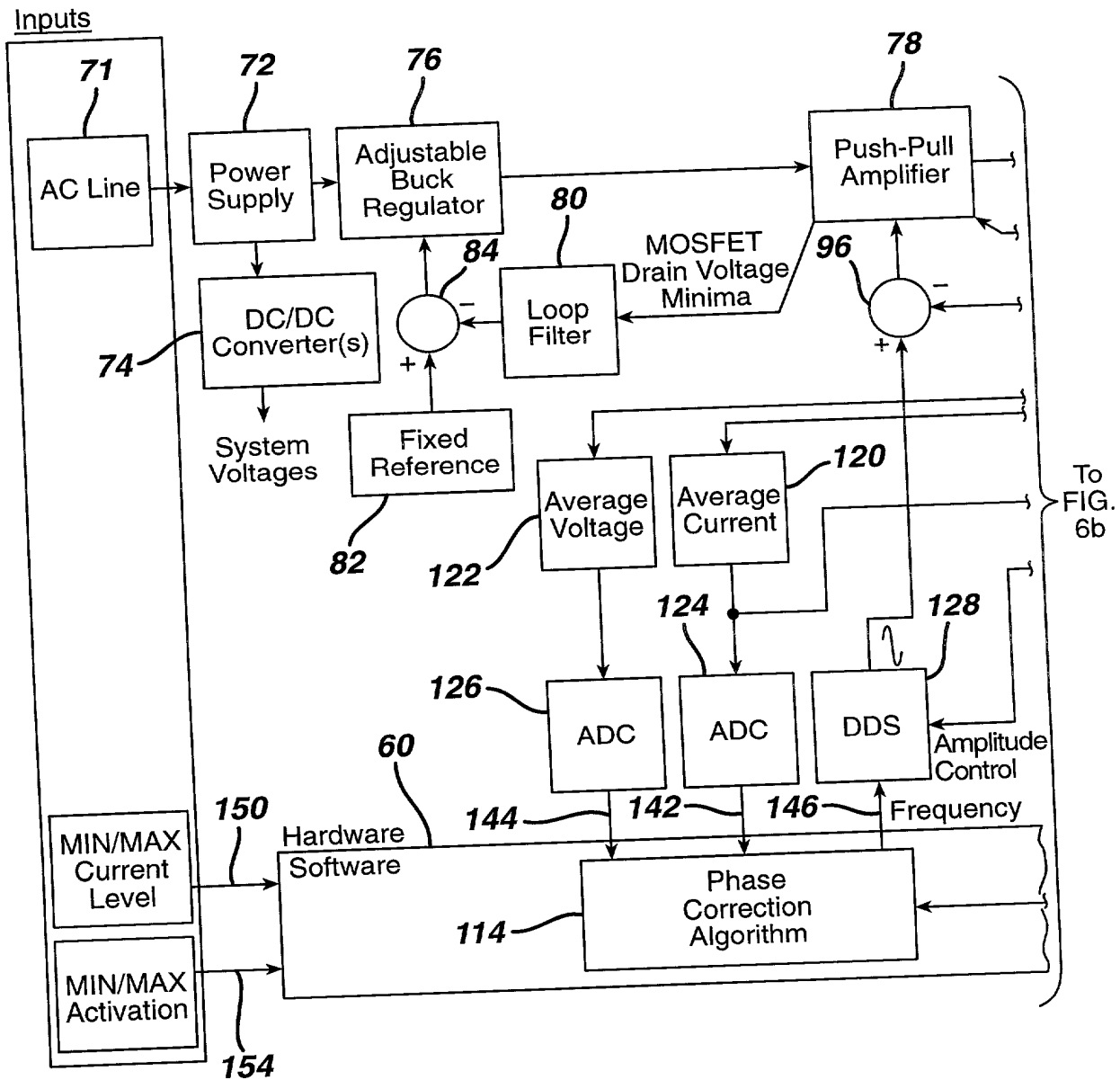


FIG. 7(a)

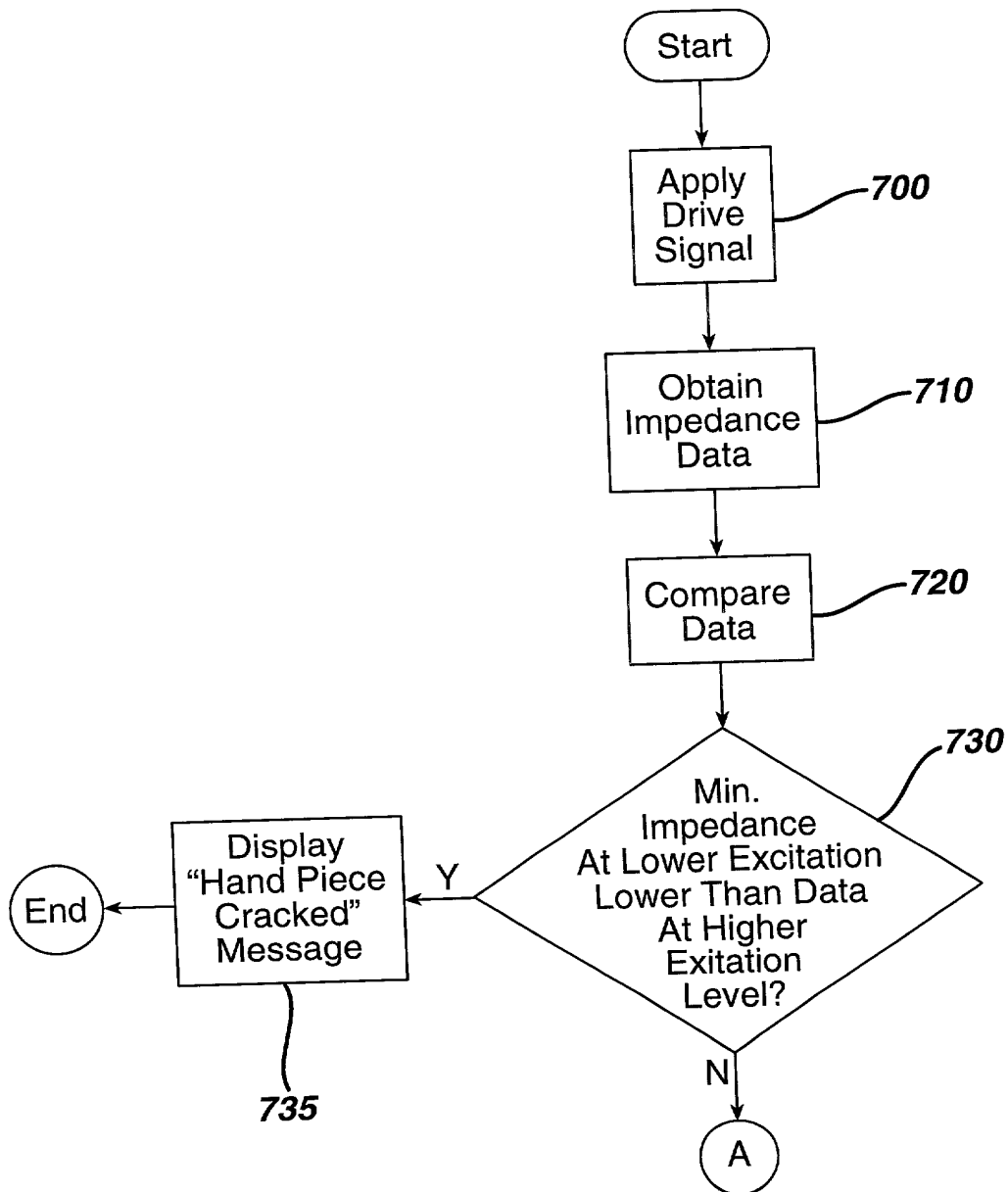


FIG. 7(b)

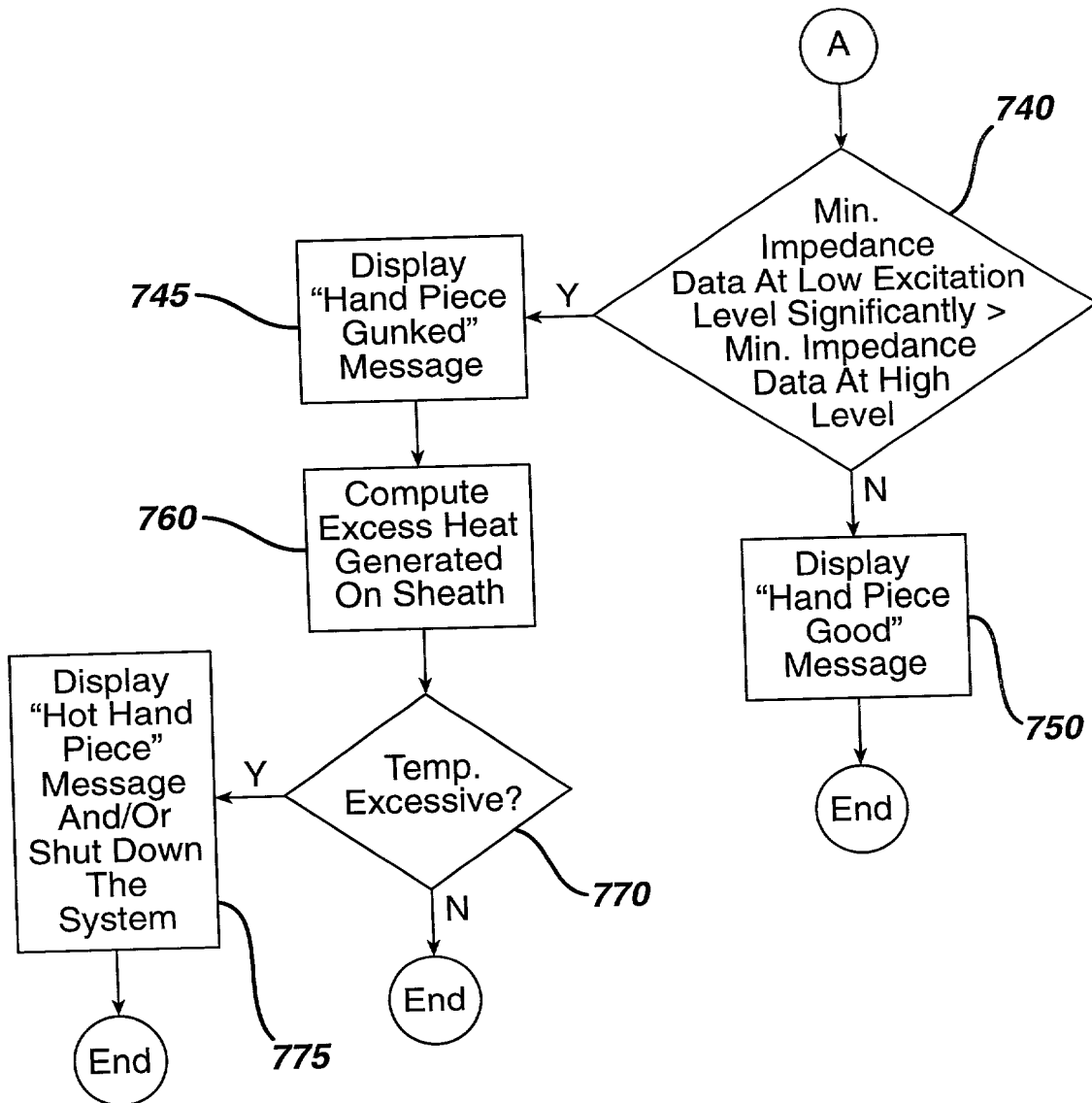


FIG. 8(a)

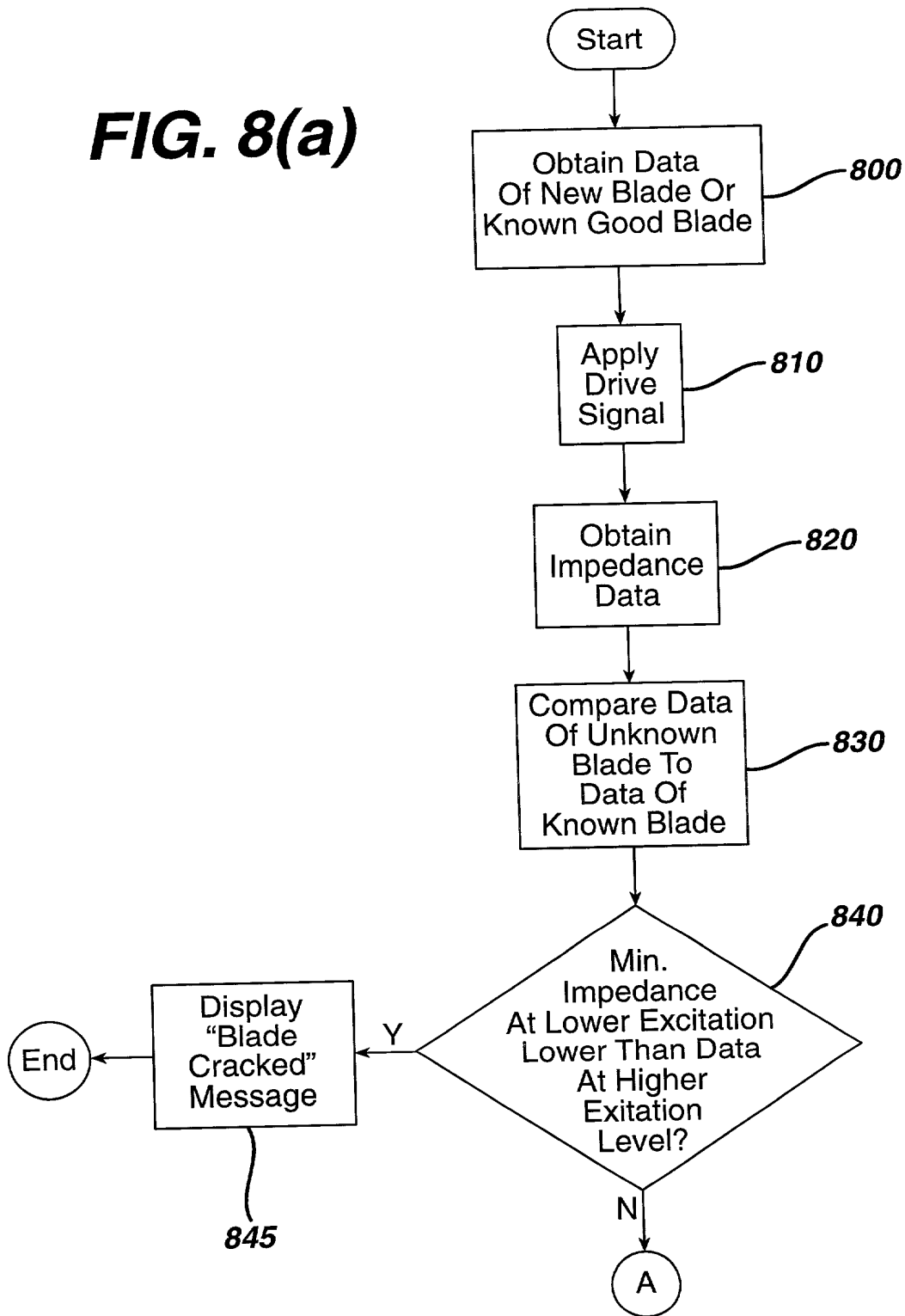


FIG. 8(b)

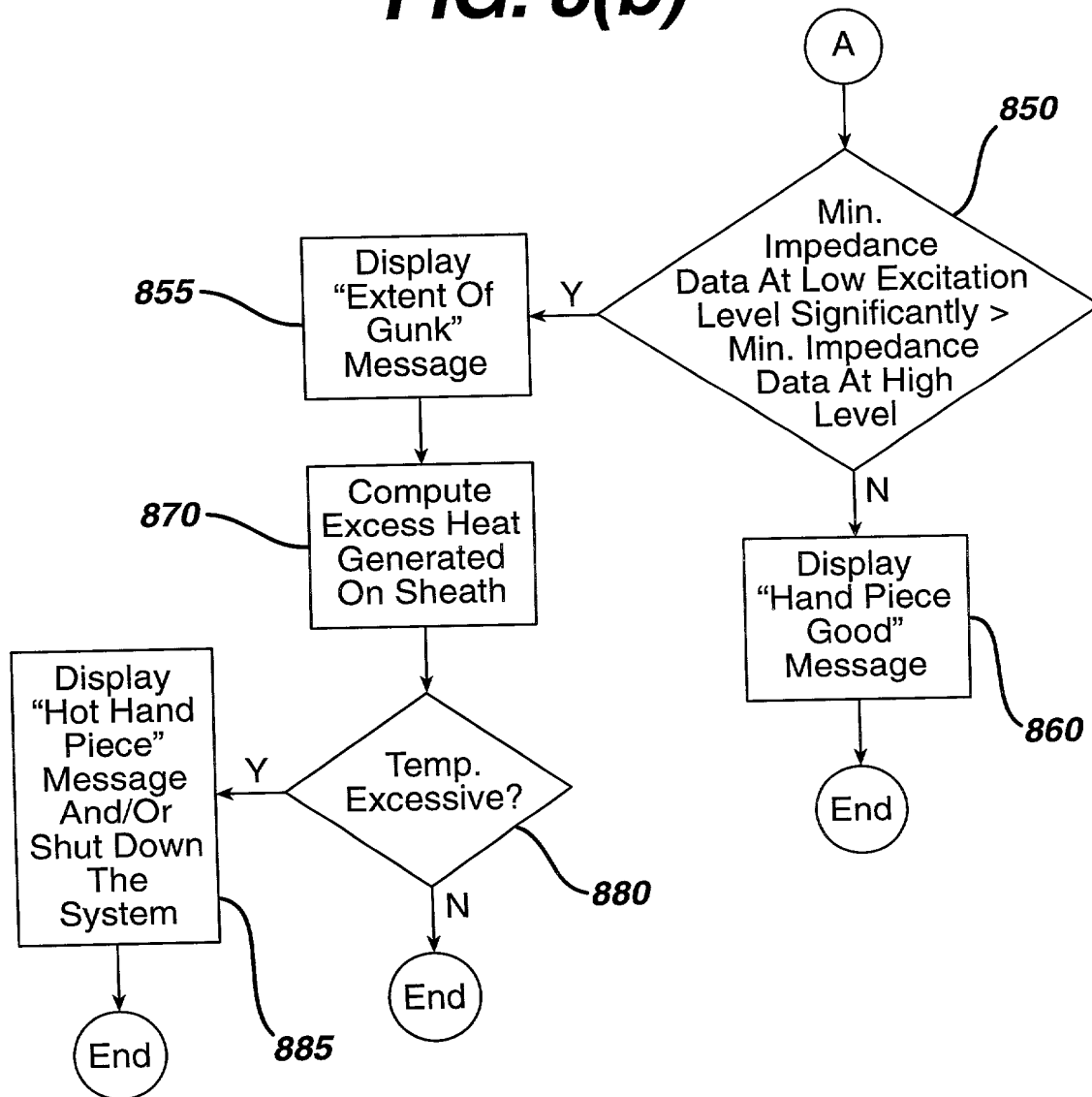


FIG. 9

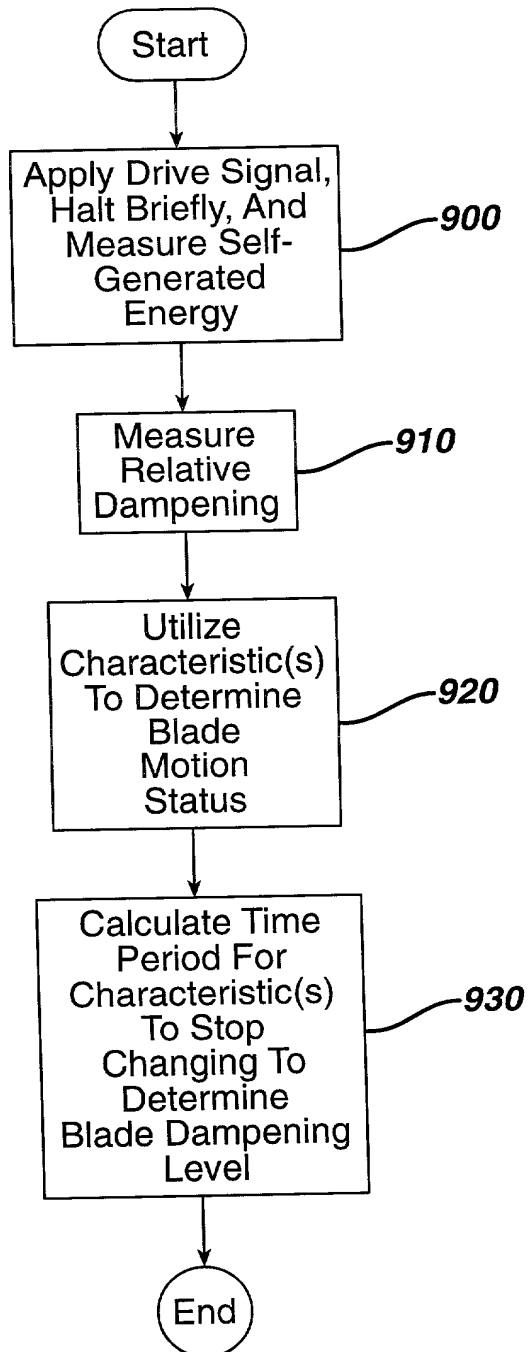


FIG. 10

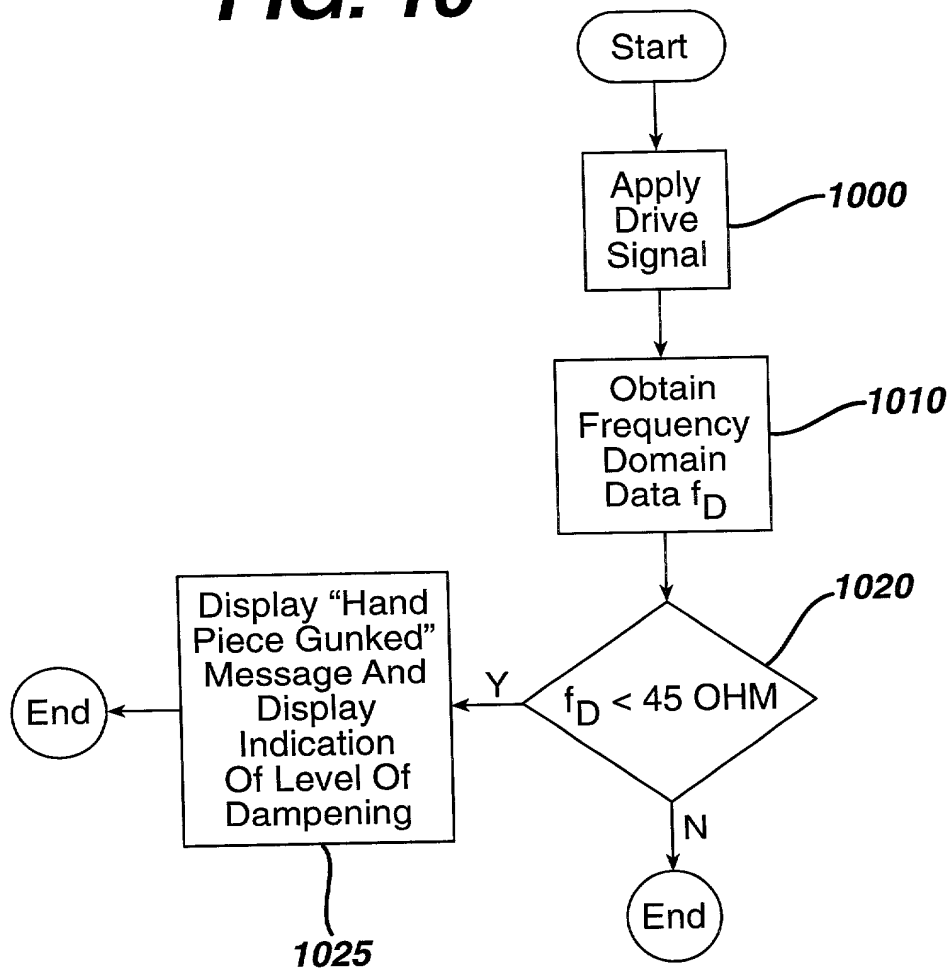


FIG. 11

